

AMENDMENTS TO THE CLAIMS

IN THE CLAIMS:

1. (Currently Amended) An optical transmission line comprising:

an optical transmission fiber having a chromatic dispersion of $+4$ to $+10 \text{ ps} \cdot \text{nm}^{-1} \cdot \text{km}^{-1}$ and a dispersion slope of 0 to $0.04 \text{ ps} \cdot \text{nm}^{-2} \cdot \text{km}^{-1}$ at the 1550 nm wavelength and installed in a relay section; and

a module made of a dispersion compensating optical fiber having a chromatic dispersion of $-40 \text{ ps} \cdot \text{nm}^{-1} \cdot \text{km}^{-1}$ or less and a dispersion slope of $-0.10 \text{ ps} \cdot \text{nm}^{-2} \cdot \text{km}^{-1}$ or less at the 1550 nm wavelength,

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wherein an average chromatic dispersion of the optical transmission line is not less than -0.1 ps/nm/km and not more than 0.1 ps/nm/km from $1.5 \text{ } \mu\text{m}$ to $1.6 \text{ } \mu\text{m}$ inclusive.

2. (Original) An optical transmission line according to claim 1, wherein said optical transmission fiber as a dispersion slope of $+0.01$ to $+0.03 \text{ ps} \cdot \text{nm}^{-2} \cdot \text{km}^{-1}$.

3. (Original) An optical transmission line according to claim 1, wherein said optical transmission fiber has an effective area of $45 \text{ } \mu\text{m}^2$ or more at the 1550 nm wavelength.

4. (Original) An optical transmission line according to claim 1, wherein said dispersion compensating optical fiber has a chromatic dispersion of $-80 \text{ ps} \cdot \text{nm}^{-1} \cdot \text{km}^{-1}$ or less and a dispersion slope of $-0.20 \text{ ps} \cdot \text{nm}^{-2} \cdot \text{km}^{-1}$ or less.

5. (Original) An optical transmission line according to claim 4, wherein said dispersion compensating optical fiber has a chromatic dispersion of $-100 \text{ ps} \cdot \text{nm}^{-1} \cdot \text{km}^{-1}$ or less.

6. (Original) An optical transmission system comprising:
an optical transmission fiber having a chromatic dispersion of $+4$ to $+10 \text{ ps} \cdot \text{nm}^{-1} \cdot \text{km}^{-1}$ and a dispersion slope of 0 to $+0.04 \text{ ps} \cdot \text{nm}^{-2} \cdot \text{km}^{-1}$ at the 1550 nm wavelength and installed in a relay section;

a module made of a dispersion compensating optical fiber having a chromatic dispersion of $-40 \text{ ps} \cdot \text{nm}^{-1} \cdot \text{km}^{-1}$ or less and a dispersion slope of $-0.10 \text{ ps} \cdot \text{nm}^{-2} \cdot \text{km}^{-1}$ or less at the 1550 nm wavelength;

a transmitter; and

a receiver.

--7. (New) An optical transmission line according to claim 1,
wherein an average chromatic dispersion of the optical transmission line is not less than -2 ps/nm/km and not more than 2 ps/nm/km from $1.45 \mu\text{m}$ to $1.65 \mu\text{m}$ inclusive.

8. (New) An optical transmission line according to claim 1,

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wherein loss of said module at the 1550 nm wavelength is not more than 3dB. --